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Sequence Listing was accepted.

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Reviewer: Keisha Douglas

Timestamp: [year=2008; month=8; day=28; hr=9; min=5; sec=47; ms=172;]

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Application No: 10547842 Version No: 2.0

Input Set:

Output Set:

Started: 2008-07-25 10:52:04.840
Finished: 2008-07-25 10:52:07.749
Elapsed: 0 hr(s) 0 min(s) 2 sec(s) 909 ms
Total Warnings: 4
Total Errors: 0
No. of SeqIDs Defined: 5
Actual SeqID Count: 5

Error code	Error Description
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W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)

SEQUENCE LISTING

<110> PINNA, LORENZO
 DONELLA-DEANA, ARIANNA
 MARIN, ORIANO
 MOLOGNI, LUCA
 GUNBY, ROSALIND
 GAMBACORTI PASSERINI, CARLO
 SCAPOZZA, LEONARDO

<120> ANAPLASTIC LYMPHOMA KINASE ASSAY, REAGENTS AND
 COMPOSITIONS THEREOF

<130> 2503-1169

<140> 10547842
 <141> 2006-05-15

<150> PCT/EP2004/002185
 <151> 2004-03-04

<150> EP 03005186.6
 <151> 2003-03-07

<160> 5

<170> PatentIn Ver. 3.3

<210> 1
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 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 1
 Ala Arg Asp Ile Tyr Arg Ala Ser Phe Phe Arg Lys Gly Gly Cys Ala
 1 5 10 15
 Met Leu Pro Val Lys
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<210> 2
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 2

Ala Arg Asp Ile Tyr Arg Ala Ser Tyr Tyr Arg Lys Gly Gly Cys Ala
1 5 10 15

Met Leu Pro Val Lys
20

<210> 3

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 3

Ala Arg Asp Ile Phe Arg Ala Ser Tyr Phe Arg Lys Gly Gly Cys Ala
1 5 10 15

Met Leu Pro Val Lys
20

<210> 4

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 4

Ala Arg Asp Ile Phe Arg Ala Ser Phe Tyr Arg Lys Gly Gly Cys Ala
1 5 10 15

Met Leu Pro Val Lys
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<210> 5

<211> 1620

<212> PRT

<213> Homo sapiens

<400> 5

Met Gly Ala Ile Gly Leu Leu Trp Leu Leu Pro Leu Leu Leu Ser Thr
1 5 10 15

Ala Ala Val Gly Ser Gly Met Gly Thr Gly Gln Arg Ala Gly Ser Pro
20 25 30

Ala Ala Gly Ser Pro Leu Gln Pro Arg Glu Pro Leu Ser Tyr Ser Arg
35 40 45

Leu	Gln	Arg	Lys	Ser	Leu	Ala	Val	Asp	Phe	Val	Val	Pro	Ser	Leu	Phe	50	55	60
Arg	Val	Tyr	Ala	Arg	Asp	Leu	Leu	Leu	Pro	Pro	Ser	Ser	Ser	Glu	Leu	65	70	75
Lys	Ala	Gly	Arg	Pro	Glu	Ala	Arg	Gly	Ser	Leu	Ala	Leu	Asp	Cys	Ala	85	90	95
Pro	Leu	Leu	Arg	Leu	Leu	Gly	Pro	Ala	Pro	Gly	Val	Ser	Trp	Thr	Ala	100	105	110
Gly	Ser	Pro	Ala	Pro	Ala	Glu	Ala	Arg	Thr	Leu	Ser	Arg	Val	Leu	Lys	115	120	125
Gly	Gly	Ser	Val	Arg	Lys	Leu	Arg	Arg	Ala	Lys	Gln	Leu	Val	Leu	Glu	130	135	140
Leu	Gly	Glu	Glu	Ala	Ile	Leu	Glu	Gly	Cys	Val	Gly	Pro	Pro	Gly	Glu	145	150	155
Ala	Ala	Val	Gly	Leu	Leu	Gln	Phe	Asn	Leu	Ser	Glu	Leu	Phe	Ser	Trp	165	170	175
Trp	Ile	Arg	Gln	Gly	Glu	Gly	Arg	Leu	Arg	Ile	Arg	Leu	Met	Pro	Glu	180	185	190
Lys	Lys	Ala	Ser	Glu	Val	Gly	Arg	Glu	Gly	Arg	Leu	Ser	Ala	Ala	Ile	195	200	205
Arg	Ala	Ser	Gln	Pro	Arg	Leu	Leu	Phe	Gln	Ile	Phe	Gly	Thr	Gly	His	210	215	220
Ser	Ser	Leu	Glu	Ser	Pro	Thr	Asn	Met	Pro	Ser	Pro	Ser	Pro	Asp	Tyr	225	230	235
Phe	Thr	Trp	Asn	Leu	Thr	Trp	Ile	Met	Lys	Asp	Ser	Phe	Pro	Phe	Leu	245	250	255
Ser	His	Arg	Ser	Arg	Tyr	Gly	Leu	Glu	Cys	Ser	Phe	Asp	Phe	Pro	Cys	260	265	270
Glu	Leu	Glu	Tyr	Ser	Pro	Pro	Leu	His	Asp	Leu	Arg	Asn	Gln	Ser	Trp	275	280	285
Ser	Trp	Arg	Arg	Ile	Pro	Ser	Glu	Glu	Ala	Ser	Gln	Met	Asp	Leu	Leu	290	295	300
Asp	Gly	Pro	Gly	Ala	Glu	Arg	Ser	Lys	Glu	Met	Pro	Arg	Gly	Ser	Phe	305	310	315
Leu	Leu	Leu	Asn	Thr	Ser	Ala	Asp	Ser	Lys	His	Thr	Ile	Leu	Ser	Pro	325	330	335
Trp	Met	Arg	Ser	Ser	Ser	Glu	His	Cys	Thr	Leu	Ala	Val	Ser	Val	His	340	345	350

Arg	His	Leu	Gln	Pro	Ser	Gly	Arg	Tyr	Ile	Ala	Gln	Leu	Leu	Pro	His	355	360	365	
Asn	Glu	Ala	Ala	Arg	Glu	Ile	Leu	Leu	Met	Pro	Thr	Pro	Gly	Lys	His	370	375	380	
Gly	Trp	Thr	Val	Leu	Gln	Gly	Arg	Ile	Gly	Arg	Pro	Asp	Asn	Pro	Phe	385	390	395	400
Arg	Val	Ala	Leu	Glu	Tyr	Ile	Ser	Ser	Gly	Asn	Arg	Ser	Leu	Ser	Ala	405	410	415	
Val	Asp	Phe	Phe	Ala	Leu	Lys	Asn	Cys	Ser	Glu	Gly	Thr	Ser	Pro	Gly	420	425	430	
Ser	Lys	Met	Ala	Leu	Gln	Ser	Ser	Phe	Thr	Cys	Trp	Asn	Gly	Thr	Val	435	440	445	
Leu	Gln	Leu	Gly	Gln	Ala	Cys	Asp	Phe	His	Gln	Asp	Cys	Ala	Gln	Gly	450	455	460	
Glu	Asp	Glu	Ser	Gln	Met	Cys	Arg	Lys	Leu	Pro	Val	Gly	Phe	Tyr	Cys	465	470	475	480
Asn	Phe	Glu	Asp	Gly	Phe	Cys	Gly	Trp	Thr	Gln	Gly	Thr	Leu	Ser	Pro	485	490	495	
His	Thr	Pro	Gln	Trp	Gln	Val	Arg	Thr	Leu	Lys	Asp	Ala	Arg	Phe	Gln	500	505	510	
Asp	His	Gln	Asp	His	Ala	Leu	Leu	Leu	Ser	Thr	Thr	Asp	Val	Pro	Ala	515	520	525	
Ser	Glu	Ser	Ala	Thr	Val	Thr	Ser	Ala	Thr	Phe	Pro	Ala	Pro	Ile	Lys	530	535	540	
Ser	Ser	Pro	Cys	Glu	Leu	Arg	Met	Ser	Trp	Leu	Ile	Arg	Gly	Val	Leu	545	550	555	560
Arg	Gly	Asn	Val	Ser	Leu	Val	Leu	Val	Glu	Asn	Lys	Thr	Gly	Lys	Glu	565	570	575	
Gln	Gly	Arg	Met	Val	Trp	His	Val	Ala	Ala	Tyr	Glu	Gly	Leu	Ser	Leu	580	585	590	
Trp	Gln	Trp	Met	Val	Leu	Pro	Leu	Leu	Asp	Val	Ser	Asp	Arg	Phe	Trp	595	600	605	
Leu	Gln	Met	Val	Ala	Trp	Trp	Gly	Gln	Gly	Ser	Arg	Ala	Ile	Val	Ala	610	615	620	
Phe	Asp	Asn	Ile	Ser	Ile	Ser	Leu	Asp	Cys	Tyr	Leu	Thr	Ile	Ser	Gly	625	630	635	640
Glu	Asp	Lys	Ile	Leu	Gln	Asn	Thr	Ala	Pro	Lys	Ser	Arg	Asn	Leu	Phe	645	650	655	

Glu	Arg	Asn	Pro	Asn	Lys	Glu	Leu	Lys	Pro	Gly	Glu	Asn	Ser	Pro	Arg	
			660						665						670	
Gln	Thr	Pro	Ile	Phe	Asp	Pro	Thr	Val	His	Trp	Leu	Phe	Thr	Thr	Cys	
			675						680						685	
Gly	Ala	Ser	Gly	Pro	His	Gly	Pro	Thr	Gln	Ala	Gln	Cys	Asn	Asn	Ala	
			690						695						700	
Tyr	Gln	Asn	Ser	Asn	Leu	Ser	Val	Glu	Val	Gly	Ser	Glu	Gly	Pro	Leu	
705					710						715			720		
Lys	Gly	Ile	Gln	Ile	Trp	Lys	Val	Pro	Ala	Thr	Asp	Thr	Tyr	Ser	Ile	
			725						730						735	
Ser	Gly	Tyr	Gly	Ala	Ala	Gly	Gly	Lys	Gly	Gly	Lys	Asn	Thr	Met	Met	
			740						745						750	
Arg	Ser	His	Gly	Val	Ser	Val	Leu	Gly	Ile	Phe	Asn	Leu	Glu	Lys	Asp	
			755						760						765	
Asp	Met	Leu	Tyr	Ile	Leu	Val	Gly	Gln	Gln	Gly	Glu	Asp	Ala	Cys	Pro	
			770						775						780	
Ser	Thr	Asn	Gln	Leu	Ile	Gln	Lys	Val	Cys	Ile	Gly	Glu	Asn	Asn	Val	
785					790						795			800		
Ile	Glu	Glu	Glu	Ile	Arg	Val	Asn	Arg	Ser	Val	His	Glu	Trp	Ala	Gly	
			805						810						815	
Gly	Gly	Gly	Gly	Gly	Gly	Gly	Ala	Thr	Tyr	Val	Phe	Lys	Met	Lys	Asp	
			820						825						830	
Gly	Val	Pro	Val	Pro	Leu	Ile	Ile	Ala	Ala	Gly	Gly	Gly	Gly	Arg	Ala	
			835						840						845	
Tyr	Gly	Ala	Lys	Thr	Asp	Thr	Phe	His	Pro	Glu	Arg	Leu	Glu	Asn	Asn	
			850						855						860	
Ser	Ser	Val	Leu	Gly	Leu	Asn	Gly	Asn	Ser	Gly	Ala	Ala	Gly	Gly	Gly	
865					870						875			880		
Gly	Gly	Trp	Asn	Asp	Asn	Thr	Ser	Leu	Leu	Trp	Ala	Gly	Lys	Ser	Leu	
			885						890						895	
Gln	Glu	Gly	Ala	Thr	Gly	Gly	His	Ser	Cys	Pro	Gln	Ala	Met	Lys	Lys	
			900						905						910	
Trp	Gly	Trp	Glu	Thr	Arg	Gly	Gly	Phe	Gly	Gly	Gly	Gly	Gly	Gly	Cys	
			915						920						925	
Ser	Ser	Gly	Gly	Gly	Gly	Gly	Gly	Tyr	Ile	Gly	Gly	Asn	Ala	Ala	Ser	
			930						935						940	
Asn	Asn	Asp	Pro	Glu	Met	Asp	Gly	Glu	Asp	Gly	Val	Ser	Phe	Ile	Ser	
945					950						955			960		

Pro	Leu	Gly	Ile	Leu	Tyr	Thr	Pro	Ala	Leu	Lys	Val	Met	Glu	Gly	His	965	970	975
Gly	Glu	Val	Asn	Ile	Lys	His	Tyr	Leu	Asn	Cys	Ser	His	Cys	Glu	Val	980	985	990
Asp	Glu	Cys	His	Met	Asp	Pro	Glu	Ser	His	Lys	Val	Ile	Cys	Phe	Cys	995	1000	1005
Asp	His	Gly	Thr	Val	Leu	Ala	Glu	Asp	Gly	Val	Ser	Cys	Ile	Val	Ser	1010	1015	1020
Pro	Thr	Pro	Glu	Pro	His	Leu	Pro	Leu	Ser	Leu	Ile	Leu	Ser	Val	Val	1025	1030	1035
Thr	Ser	Ala	Leu	Val	Ala	Ala	Leu	Val	Leu	Ala	Phe	Ser	Gly	Ile	Met	1045	1050	1055
Ile	Val	Tyr	Arg	Arg	Lys	His	Gln	Glu	Leu	Gln	Ala	Met	Gln	Met	Glu	1060	1065	1070
Leu	Gln	Ser	Pro	Glu	Tyr	Lys	Leu	Ser	Lys	Leu	Arg	Thr	Ser	Thr	Ile	1075	1080	1085
Met	Thr	Asp	Tyr	Asn	Pro	Asn	Tyr	Cys	Phe	Ala	Gly	Lys	Thr	Ser	Ser	1090	1095	1100
Ile	Ser	Asp	Leu	Lys	Glu	Val	Pro	Arg	Lys	Asn	Ile	Thr	Leu	Ile	Arg	1105	1110	1115
Gly	Leu	Gly	His	Gly	Ala	Phe	Gly	Glu	Val	Tyr	Glu	Gly	Gln	Val	Ser	1125	1130	1135
Gly	Met	Pro	Asn	Asp	Pro	Ser	Pro	Leu	Gln	Val	Ala	Val	Lys	Thr	Leu	1140	1145	1150
Pro	Glu	Val	Cys	Ser	Glu	Gln	Asp	Glu	Leu	Asp	Phe	Leu	Met	Glu	Ala	1155	1160	1165
Leu	Ile	Ile	Ser	Lys	Phe	Asn	His	Gln	Asn	Ile	Val	Arg	Cys	Ile	Gly	1170	1175	1180
Val	Ser	Leu	Gln	Ser	Leu	Pro	Arg	Phe	Ile	Leu	Leu	Glu	Leu	Met	Ala	1185	1190	1195
Gly	Gly	Asp	Leu	Lys	Ser	Phe	Leu	Arg	Glu	Thr	Arg	Pro	Arg	Pro	Ser	1205	1210	1215
Gln	Pro	Ser	Ser	Leu	Ala	Met	Leu	Asp	Leu	Leu	His	Val	Ala	Arg	Asp	1220	1225	1230
Ile	Ala	Cys	Gly	Cys	Gln	Tyr	Leu	Glu	Glu	Asn	His	Phe	Ile	His	Arg	1235	1240	1245
Asp	Ile	Ala	Ala	Arg	Asn	Cys	Leu	Leu	Thr	Cys	Pro	Gly	Pro	Gly	Arg	1250	1255	1260

Val Ala Lys Ile Gly Asp Phe Gly Met Ala Arg Asp Ile Tyr Arg Ala			
1265	1270	1275	1280
Ser Tyr Tyr Arg Lys Gly Gly Cys Ala Met Leu Pro Val Lys Trp Met			
	1285	1290	1295
Pro Pro Glu Ala Phe Met Glu Gly Ile Phe Thr Ser Lys Thr Asp Thr			
	1300	1305	1310
Trp Ser Phe Gly Val Leu Leu Trp Glu Ile Phe Ser Leu Gly Tyr Met			
	1315	1320	1325
Pro Tyr Pro Ser Lys Ser Asn Gln Glu Val Leu Glu Phe Val Thr Ser			
	1330	1335	1340
Gly Gly Arg Met Asp Pro Pro Lys Asn Cys Pro Gly Pro Val Tyr Arg			
1345	1350	1355	1360
Ile Met Thr Gln Cys Trp Gln His Gln Pro Glu Asp Arg Pro Asn Phe			
	1365	1370	1375
Ala Ile Ile Leu Glu Arg Ile Glu Tyr Cys Thr Gln Asp Pro Asp Val			
	1380	1385	1390
Ile Asn Thr Ala Leu Pro Ile Glu Tyr Gly Pro Leu Val Glu Glu Glu			
	1395	1400	1405
Glu Lys Val Pro Val Arg Pro Lys Asp Pro Glu Gly Val Pro Pro Leu			
	1410	1415	1420
Leu Val Ser Gln Gln Ala Lys Arg Glu Glu Glu Arg Ser Pro Ala Ala			
1425	1430	1435	1440
Pro Pro Pro Leu Pro Thr Thr Ser Ser Gly Lys Ala Ala Lys Lys Pro			
	1445	1450	1455
Thr Ala Ala Glu Val Ser Val Arg Val Pro Arg Gly Pro Ala Val Glu			
	1460	1465	1470
Gly Gly His Val Asn Met Ala Phe Ser Gln Ser Asn Pro Pro Ser Glu			
	1475	1480	1485
Leu His Lys Val His Gly Ser Arg Asn Lys Pro Thr Ser Leu Trp Asn			
	1490	1495	1500
Pro Thr Tyr Gly Ser Trp Phe Thr Glu Lys Pro Thr Lys Lys Asn Asn			
1505	1510	1515	1520
Pro Ile Ala Lys Lys Glu Pro His Asp Arg Gly Asn Leu Gly Leu Glu			
	1525	1530	1535
Gly Ser Cys Thr Val Pro Pro Asn Val Ala Thr Gly Arg Leu Pro Gly			
	1540	1545	1550
Ala Ser Leu Leu Leu Glu Pro Ser Ser Leu Thr Ala Asn Met Lys Glu			
	1555	1560	1565

Val Pro Leu Phe Arg Leu Arg His Phe Pro Cys Gly Asn Val Asn Tyr
1570 1575 1580

Gly Tyr Gln Gln Gln Gly Leu Pro Leu Glu Ala Ala Thr Ala Pro Gly
1585 1590 1595 1600

Ala Gly His Tyr Glu Asp Thr Ile Leu Lys Ser Lys Asn Ser Met Asn
1605 1610 1615

Gln Pro Gly Pro
1620